



QUALITY ASSURANCE/QUALITY CONTROL REPORT

Office of the Chief Engineer (Quality Assurance/Control) Annexure-05,
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QUALITY ASSURANCE REPORT/QUALITY CONTROL REPORT

CE/QA/PR/453/2022-23, DATE: 28/4/23

Name of Work	:	Package No 06 (Consist of 14 works) Estimated cost 1500.00 Lakhs
Job Code	:	009-23-000003
Bill No. & Amount	:	1 st & Part Bill.Rs. 2,65,17,984.00(Including GST)
Name of Agency	:	Sri. M/s. SMLP Asphalts Prop. Sri B B Umesha
Type of Test Performed	:	Rebound Hammer test as per IS13311-(2)-1992
Materials on which Tests Was Performed	:	1. RCC Drain wall (M20) 2. Precast cover slab (M20)
Officers present during inspection	:	1. Smt. Archana AE – Ward No.109 2. Sri C. Shridhar. AEE-Quality Assurance
Project Management Consultants	:	Mecadez Core Technologies Pvt Ltd, Bangalore
Observations	:	➤ NDT (Rebound hammer test) was conducted by Project Management Consultants representative at random locations in presence of AE (Ward No.09) along AEE QA division. ➤ The Rebound Hammer Test was conducted randomly on RCC Drain wall (M20), Pre cast cover slab (M20) & Kerb Stone (M20). The readings and results are recorded by the PMC consultants. ➤ The readings of Rebound Hammer Test results are tabulated and analysis of test results done by PMC is here by furnished. ➤ The location wise test results are reproduced in the tables shown below.
Test Locations	:	Location 1: 9th Cross Road (Infront of Park Layout, Deva matha School) Location 2: 5th Main Road (Opp to # 200 Defence Layout, Opp. To Vacant Site # 89)

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ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಗುಣಭರವಸೆ/ಗುಣನಿಯಂತ್ರಣ ಉಪ-ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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ಅಧೀಕ್ಷಕ ಅಭಿಯಂತರರು
ಗುಣಭರವಸೆ/ಗುಣನಿಯಂತ್ರಣ
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ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಗುಣಭರವಸೆ/ಗುಣನಿಯಂತ್ರಣ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

1			28			
2			28			
3		Precast cover	26			
4		slab (M20)	28	28	24-26	Vertical
5			28			Down
6			26			

Conclusion:

The file containing 1st & part bill has been submitted for the above work to QA department on 18.04.2023 requesting for spot inspection. Engineers of QA/QC division have visited the work spot on 24.04.2023

During the inspection, it was understood that the items found in the bill, have been executed by the contractor from the documents provided by PMC team and from the file submitted.

PMC team was instructed to assess the strength of concrete used RCC Drain wall (M20), Precast cover slab (M20) by Rebound Hammer Test. The Rebound hammer test were conducted by PMC in presence of engineer in charge of work.

From the test results furnished by PMC consultants, it is concluded that the results of the samples collected are in accordance with the standards/ specifications mention in the IRC codes. However, the results submitted by the PMC have been reproduced here with for further needful action. The results checked by QA/QC relates only for item tested in the particular location randomly.

Further, QA/QC directs the PMC and Engineer in-charge of the work that all materials used for the work shall be inspected, tested and accepted as per the relevant specifications before incorporation in the work. The frequencies and methods of sampling and testing materials, including those required for definite purpose and not covered by MORT&H specifications shall be in accordance to the relevant IRC or BIS or AASHTO/ASTM/BS standards in order of priority.

All materials or work not conforming to the requirements of the specifications shall be considered unacceptable and rejected. The unacceptable materials or works that are rejected shall be immediately removed unless the defects are corrected and approved by the engineer in-charge of work.

The concerned Engineer in charge of the work shall follow the direction issued by Chief Commissioner Letter number dated 01.08.2022 and 14.09.2022 and take necessary action as appropriate in accordance with the law.

Note: -

This report by QA/QC is pertaining to the work carried out in 1st & part bill only. Therefore, further QA/QC reports shall be obtained for the items of work carried out in future Running Account bill / Final bill.

Safety precautions shall be taken at work spot to prevent any mishap, injuries or loss of life to general public and construction workers according to guidelines laid down in code of practices.

Engineer in charge of work shall obtain requisite approval and Implement traffic management plan prior to commencement of work.

Engineer in charge of work shall display details of work, work code, cost of project, start and completion date, and information of Engineer in charge of work with contact numbers at work spot.

Engineer in charge of work and Agency shall ensure that if any damages or defects occur pertaining to the executed work within the Defect Liability period (DLP), The same shall be rectified immediately on top priority without fail.

ಸಹಾಯಕ ನಿರ್ದೇಶಕರು
ಗುಣಭರವಸೆ/ಗುಣನಿಯಂತ್ರಣ ಉಪ-ವಿಭಾಗ
ಪ್ಯಾಕೇಜ್ ನಂ.06 (Consist of 14 works)
28/4/23
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಗುಣಭರವಸೆ/ಗುಣನಿಯಂತ್ರಣ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
28/4/23
Page 3 of 7

Location 1: 9th Cross Road (Infront of Park Layout, Deva matha School)



ಸಹಾಯಕ ಮುಖ್ಯ ಅಭಿಯಂತರರು
 ಗುಣಭರವಸೆ/ಗುಣನಿಯಂತ್ರಣ ವಿಭಾಗ
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 28/4/23
 ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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 28/4/23
 Page 4 of 7



28/4/23

28/4/23

28/4/23

28/4/2023

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Package No 06 (Consist of 14 works)

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009 23 600003 - 1" & Part III
Location 2: 5th Main Road (Opp to # 200 Defence Layout, Opp. To Vacant Site # 89)

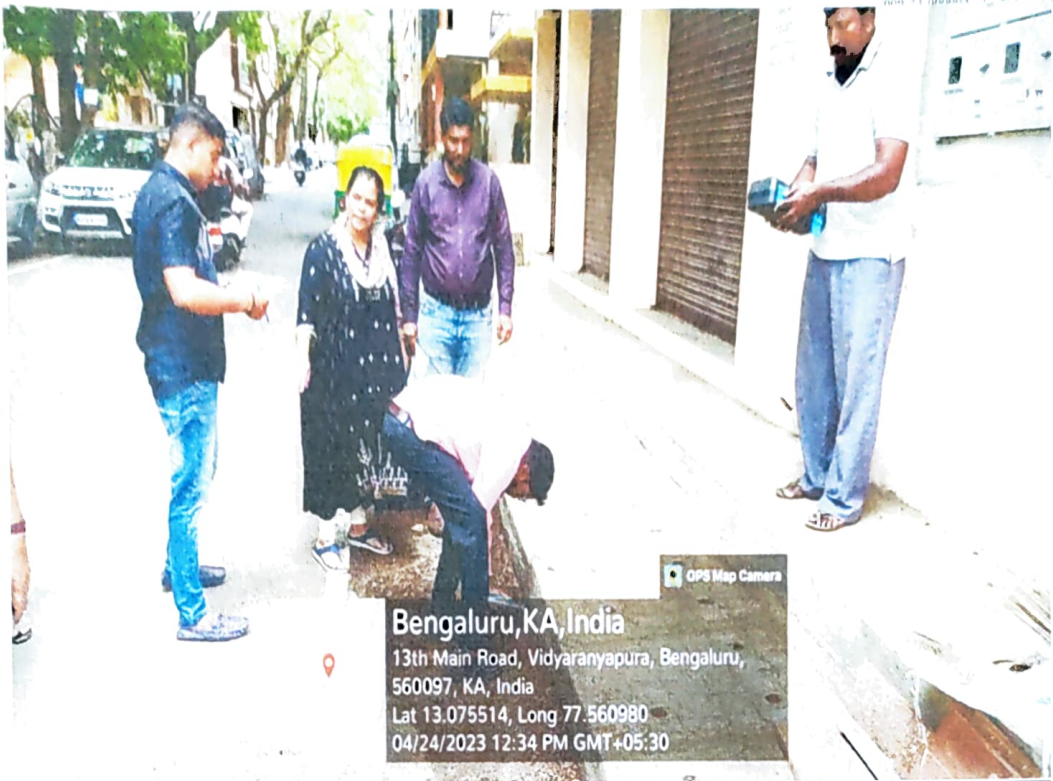


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Package No.06 (Consist of 14 works)

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ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕರು
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28/4/23

28/04/23

28/04/2023

Page 7 of 7



As ISO 9001:2015 & ISO/IEC 27001:2013
Quality Management System
Certified Company



MECADEZ CORE TECHNOLOGIES PRIVATE LIMITED
PROJECT MANAGEMENT CONSULTANCY SERVICES

TEST REPORT
NON DESTRUCTIVE TEST
REBOUND HAMMER TEST RESULTS

Date: 24-04-2023

Name of Work: PACKAGE NO.06 (CONSISTS OF 14 WORKS)							
Name of the Contractor: Sri. M/s. SMLP Asphalts Prop. Sri BH Umenha							
Work Order No: MCTPL/BBMP/EE/BTV/PMC/P-3877/2022-23/QR							
Job Code: MCTPL/BBMP/EE/BTV/PMC/P-3877/2022-23/QR							
1st & Part Bill							
Sl. No.	Floor level / Structural Member /Identification	GRADE OF CONCRETE	Position / Elevation (Cm)	Rebound Hammer Number	Avg. Rebound Hammer Number	Compressive Strength of Concrete (N/mm ²)	Impact Direction
Sample Tested Location: 9th Cross Road Infront of Park Layout							
1	Drain Wall	M20	Location-1	26 30 30 32 30 32	30	22-24	Horizontal
Sample Tested Location: 9th Cross Road Infront of Park Layout							
1	Covering Slab	M20	Location-1	26 26 24 24 26 28	26	22-24	Vertical down
Sample Tested Location: 9th Cross Road Devamatha School							
2	Drain Wall	M20	Location-2	32 30 30 32 32 30	31	24-26	Horizontal
Sample Tested Location: 9th Cross Road Devamatha School							
2	Covering Slab	M20	Location-2	28 26 28 28 30 28	28	24-26	Vertical down

AB-09

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97



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PROJECT MANAGEMENT CONSULTANCY SERVICES

Sample Tested Location: 5th Main RoadDefence Layout Opp. # 200							
3	Drain Wall	M20	Location-3	30	30	22-24	Horizontal
				30			
				31			
				30			
				30			
				32			
Sample Tested Location: 5th Main RoadDefence Layout Opp. # 200							
3	Covering Slab	M20	Location-3	26	26	22-24	Vertical down
				26			
				24			
				26			
				26			
				26			
Sample Tested Location: Opp. To Vacant Site # 89							
4	Drain Wall	M20	Location-3	28	31	24-26	Horizontal
				30			
				30			
				32			
				35			
				32			
Sample Tested Location: Opp. To Vacant Site # 89							
4	Covering Slab	M20	Location-3	28	28	24-26	Vertical down
				28			
				26			
				28			
				28			
				26			



AB-09

BBMP

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